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SHUTTLE AUDIO REBROADCAST

HR AMSAT NEWS SERVICE BULLETIN 098.01 FROM AMSAT HQ
SILVER SPRING, MD APRIL 8, 1990
TO ALL RADIO AMATEURS BT

WA3NAN TO RE-BROADCAST HUBBLE TELESCOPE DEPLOYEMENT STARTING 4/10/90

On Tuesday, April 10, 1990 at 8:47 Eastern Daylight Time (EDT) the Shuttle Discovery will lift off carrying the most complicated un-manned spacecraft ever launched. The Hubble Space Telescope will lofted to an orbital altitude of 400 statute miles and will be deployed with a 28.5 degree orbital inclination. Radio amateurs will have an opportunity to hear all the excitement "live" from NASA thanks to the hams at the Goddard Amateur Radio Club (GSFC ARC) and the other NASA affiliated radio clubs, eg., W5RRR at JSC, W6VIO at JPL. The following frequencies will be used to re-broadcast the live audio during the six day mission:

3860 KHz
7185 KHz
14.295 MHz
21.395 MHz
28.650 MHz.

The Shuttle audio re-broadcast will start about ONE HOUR BEFORE LAUNCH and will only be in operation when the astronauts are awake. The astronauts work day will commence at around 3:00 A.M. EDT and they will turn in around 7:00 P.M. EDT. The Hubble Telescope will be deployed at 7:30 A.M EDT on Wednesday April 11, 1990. Amateurs and space enthusiasts might particularly want to listen during that time because it will be a period filled with a lot of activity. For those who wish to track the Shuttle for the purposes of visual contacts, Frank Bauer (KA3HDO), President of the Goddard Space Flight Center Amateur Radio Club (WA3NAN) says that every hour the orbital elements will be read by the GSFC club members who will be operating the station. AMSAT encourages all radio amateurs to listen to the live audio from the Shuttle during this history making flight.

[For those who would like to download more information about this Shuttle Mission, all are invited to check into the NASA sponored SPACELINK BBS at (205) 895-0028. The phone number of the GSFC ARC hamshack is (301) 286-6673]

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